

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/13210A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01J19/12 B01J8/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J H05B F26B C04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 528 179 A (SMITH FRANKLIN J) 15 September 1970 (1970-09-15) column 4, line 43 -column 5, line 20 figure 6	1-4,6,7
A	WO 98 08989 A (EMR MICROWAVE TECHNOLOGY CORP) 5 March 1998 (1998-03-05) page 6, paragraph 1 -page 7, paragraph 2 figure 1	1,4,6

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
2 March 2004	09/03/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx: 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Vlassis, M

INTERNATIONAL SEARCH REPORT

Information on patent family members

Information Application No

PCT/EP 03/13210

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 3528179	A	15-09-1970	NONE		
WO 9808989	A	05-03-1998	AU	721221 B2	29-06-2000
			AU	3843997 A	19-03-1998
			CA	2263497 A1	05-03-1998
			WO	9808989 A1	05-03-1998
			EP	0950122 A1	20-10-1999
			US	5972302 A	26-10-1999
			ZA	9707567 A	22-02-1999